Nama : Niansa Sixty Avilla

No. : 27

Kelas : XI RPL 6

TUGAS TRANSAKSI PEMINJAMAN BUKU

1. **Controller**
   - **Peminjaman**

```php
app > Http > Controllers > PeminjamanController.php
1   <?php
2
3   namespace App\Http\Controllers;
4
5   use Illuminate\Http\Request;
6   use App\Peminjaman_model;
7   use App\Buku_model;
8   use App\Detail_model;
9   use JWTAuth;
10  use DB;
11  use Auth;
12  use Illuminate\Support\Facades\Validator;
13  use Tymon\JWTAuth\Exceptions\JWTException;
14
15  class PeminjamanController extends Controller
16  {
17
18    public function index(){
19      if(Auth::user()->level=="petugas"){
20        $peminjaman=DB::table('peminjaman')
21        ->join('anggota','anggota.id','=','peminjaman.id_anggota')
22        ->join('petugas','petugas.id','=','peminjaman.id_petugas')
23        ->select('peminjaman.id','peminjaman.id_anggota','anggota.nama_anggota','peminjaman.tgl_pinjam','peminjaman.deadline','peminjaman.denda')
24        ->get();
25
26        $data=array();
27        foreach ($peminjaman as $dt_pj){
28          $ok=Detail_model::where('id_pinjam',$dt_pj->id)->get();
29          $arr_detail=array();
30          foreach ($ok as $ok) {
31            $arr_detail[]=array(
32            'id_pinjam' =>$ok->id_pinjam,
33            'id_buku' => $ok->id_buku,
34            'qty' => $ok->qty
35            );
36          }
37
38          $data[]=array(
39          'id' => $dt_pj->id,
40          'id_anggota' => $dt_pj->id_anggota,
```

```php
37
38         $data[]=array(
39           'id' => $dt_pj->id,
40           'id_anggota' => $dt_pj->id_anggota,
41           'nama_anggota' => $dt_pj->nama_anggota,
42           'tgl_pinjam' => $dt_pj->tgl_pinjam,
43           'deadline' => $dt_pj->deadline,
44           'denda' => $dt_pj->denda,
45           'detail_pinjam' => $arr_detail
46         );
47       }
48       return response()->json(compact("data"));
49     } else{
50       return response()->json(['status'=>'anda bukan admin']);
51     }
52   }
53
54   public function store(Request $request){
55     $validator=Validator::make($request->all(),
56       [
57         'id_anggota'=>'required',
58         'id_petugas'=>'required',
59         'tgl_pinjam'=>'required',
60         'deadline'=>'required',
61         'denda'=>'required'
62       ]
63     );
64
65     if($validator->fails()){
66       return Response()->json($validator->errors());
67     }
68
69     $simpan=Peminjaman_model::create([
70       'id_anggota'=>$request->id_anggota,
71       'id_petugas'=>$request->id_petugas,
72       'tgl_pinjam'=>$request->tgl_pinjam,
73       'deadline'=>$request->deadline,
74       'denda'=>$request->denda
75     ]);
76     $status=1;
```

```php
        $status=1;
        $message="Peminjaman Berhasil Ditambahkan";
        if($simpan){
            return Response()->json(compact('status','message'));
        }else {
            return Response()->json(['status'=>0]);
        }
    }

    public function update($id,Request $request){
        $validator=Validator::make($request->all(),
            [
                'id_anggota'=>'required',
                'id_petugas'=>'required',
                'tgl_pinjam'=>'required',
                'deadline'=>'required',
                'denda'=>'required'
            ]
        );

        if($validator->fails()){
            return Response()->json($validator->errors());
        }

        $ubah=Peminjaman_model::where('id',$id)->update([
            'id_anggota'=>$request->id_anggota,
            'id_petugas'=>$request->id_petugas,
            'tgl_pinjam'=>$request->tgl_pinjam,
            'deadline'=>$request->deadline,
            'denda'=>$request->denda
        ]);
        $status=1;
        $message="Peminjaman Berhasil Diubah";
        if($ubah){
            return Response()->json(compact('status','message'));
        }else {
            return Response()->json(['status'=>0]);
        }
    }
```

```php
    public function tampil(){
        $data=DB::table('peminjaman')
        ->join('anggota','anggota.id','=','peminjaman.id_anggota')
        ->join('petugas','petugas.id','=','peminjaman.id_petugas')
        ->select('peminjaman.id','anggota.nama_anggota','anggota.alamat','anggota.telp','petugas.nama_petugas','peminjaman.tgl_pinjam',
        'peminjaman.deadline','peminjaman.denda')
        ->get();
        $count=$data->count();
        $status=1;
        $message="Peminjaman Berhasil ditampilkan";
        return response()->json(compact('data','status','message','count'));
    }

    public function destroy($id){
        $hapus=Peminjaman_model::where('id',$id)->delete();
        $status=1;
        $message="Peminjaman Berhasil Dihapus";
        if($hapus){
            return Response()->json(compact('status','message'));
        }else {
            return Response()->json(['status'=>0]);
        }
    }
}
```

2. Model

- **Peminjaman**

```php
app > Peminjaman_model.php
1    <?php
2
3    namespace App;
4
5    use Illuminate\Database\Eloquent\Model;
6
7    class Peminjaman_model extends Model
8    {
9        protected $table="peminjaman";
10       protected $tableprimaryKey="id";
11       public $timestamps=false;
12
13       protected $fillable = [
14           'id_anggota', 'id_petugas', 'tgl_pinjam', 'deadline', 'denda'
15       ];
16       public function anggota() {
17           return $this->belongsTo('App/Anggota_model', 'id_anggota');
18       }
19       public function petugas() {
20           return $this->belongsTo('App/Petugas_model', 'id_petugas');
21       }
22       public function detail(){
23           return $this->hasOne('App\Detail_model','id');
24       }
25   }
26
```

- **Detail Peminjaman**

```php
app > 🐘 Detail_model.php
1    <?php
2
3    namespace App;
4
5    use Illuminate\Database\Eloquent\Model;
6
7    class Detail_model extends Model
8    {
9        protected $table="detail_peminjaman";
10       protected $tableprimaryKey="id";
11       public $timestamps=false;
12
13       protected $fillable = [
14           'id_pinjam', 'id_buku', 'qty'
15       ];
16       public function buku(){
17           return this()->belongTo('App\Buku_model','id_buku');
18       }
19       public function peminjaman(){
20           return this()->belongsTo('App\Peminjaman_model','id_pinjam');
21       }
22   }
23
```

3. **CRUD**
   - **Login sebagai petugas**
- **Simpan Peminjaman**

POST ▼	http://localhost/perpustakaan/public/api/simpan_peminjaman
☑ id_anggota	9
☑ id_petugas	11
☑ tgl_pinjam	2020-02-11
☑ deadline	2020-02-21
☑ denda	-
Key	Value

Body   Cookies   Headers (11)   Test Results

Pretty   Raw   Preview   Visualize BETA   JSON ▼

```
1  {
2      "status": 1,
3      "message": "Peminjaman Berhasil Ditambahkan"
4  }
```

- **Ubah Peminjaman**

PUT ▼	http://localhost/perpustakaan/public/api/ubah_peminjaman/2

Params　Authorization　Headers (10)　**Body ●**　Pre-request Script　Tests　Settings

● none　● form-data　⦿ x-www-form-urlencoded　● raw　● binary　● GraphQL ^{BETA}

	KEY	VALUE
☑	id_anggota	8
☑	id_petugas	11
☑	tgl_pinjam	2020-02-11
☑	deadline	2020-02-21
☑	denda	-
	Key	Value

Body　Cookies　Headers (11)　Test Results

Pretty　Raw　Preview　Visualize ^{BETA}　JSON ▼　⇄

```
1  {
2      "status": 1,
3      "message": "Peminjaman Berhasil Diubah"
4  }
```

- **Tampil Peminjaman**

GET ▼ http://localhost/perpustakaan/public/api/tampil_peminjaman

Pretty   Raw   Preview   Visualize BETA   JSON ▼   ⇥

```
1  {
2      "data": [
3          {
4              "id": 1,
5              "nama_anggota": "Dilan",
6              "alamat": "jalan danau buyan 1",
7              "telp": "089777000111",
8              "nama_petugas": "Laura",
9              "tgl_pinjam": "2020-02-02",
10             "deadline": "2020-02-10",
11             "denda": "-"
12         },
13         {
14             "id": 2,
15             "nama_anggota": "Milea",
16             "alamat": "jalan danau buyan 2",
17             "telp": "089777002211",
18             "nama_petugas": "Laura",
19             "tgl_pinjam": "2020-02-11",
20             "deadline": "2020-02-21",
21             "denda": "-"
22         },
23         {
24             "id": 4,
25             "nama_anggota": "Naura",
26             "alamat": "jalan danau buyan",
```

```
21             "denda": "-"
22         },
23         {
24             "id": 4,
25             "nama_anggota": "Naura",
26             "alamat": "jalan danau buyan",
27             "telp": "089777888111",
28             "nama_petugas": "Laura",
29             "tgl_pinjam": "2020-03-06",
30             "deadline": "2020-03-12",
31             "denda": "-"
32         }
33     ],
34     "status": 1,
35     "message": "Peminjaman Berhasil ditampilkan",
36     "count": 3
37  }
```

- **Index Peminjaman**

```json
{
    "data": [
        {
            "id": 1,
            "id_anggota": 7,
            "nama_anggota": "Dilan",
            "id_petugas": 11,
            "tgl_pinjam": "2020-02-02",
            "deadline": "2020-02-10",
            "denda": "-",
            "detail_pinjam": [
                {
                    "id_pinjam": 1,
                    "id_buku": 2,
                    "qty": 3
                }
            ]
        },
        {
            "id": 2,
            "id_anggota": 8,
            "nama_anggota": "Milea",
            "id_petugas": 11,
            "tgl_pinjam": "2020-02-11",
            "deadline": "2020-02-21",
            "denda": "-",
```

GET   ▼   http://localhost/perpustakaan/public/api/index_peminjaman

Pretty   Raw   Preview   Visualize BETA   JSON ▼

```
15                    "qty": 3
16                }
17            ]
18        },
19        {
20            "id": 2,
21            "id_anggota": 8,
22            "nama_anggota": "Milea",
23            "id_petugas": 11,
24            "tgl_pinjam": "2020-02-11",
25            "deadline": "2020-02-21",
26            "denda": "-",
27            "detail_pinjam": []
28        },
29        {
30            "id": 4,
31            "id_anggota": 11,
32            "nama_anggota": "Naura",
33            "id_petugas": 11,
34            "tgl_pinjam": "2020-03-06",
35            "deadline": "2020-03-12",
36            "denda": "-",
37            "detail_pinjam": []
38        }
39    ]
40 }
```

- **Hapus Peminjaman**

DELETE ▼ http://localhost/perpustakaan/public/api/hapus_peminjaman/3

Pretty   Raw   Preview   Visualize BETA   JSON ▼   ⇄

```
1  {
2      "status": 1,
3      "message": "Peminjaman Berhasil Dihapus"
4  }
```

- **Login sebagai admin**
- **Simpan Peminjaman**

POST ▼	http://localhost/perpustakaan/public/api/simpan_peminjaman

☑	id_anggota	10
☑	id_petugas	11
☑	tgl_pinjam	2020-03-06
☑	deadline	2020-03-12
☑	denda	-
	Key	Value

Body Cookies Headers (11) Test Results

Pretty Raw Preview Visualize BETA JSON ▼

```
1  {
2      "status": 1,
3      "message": "Peminjaman Berhasil Ditambahkan"
4  }
```
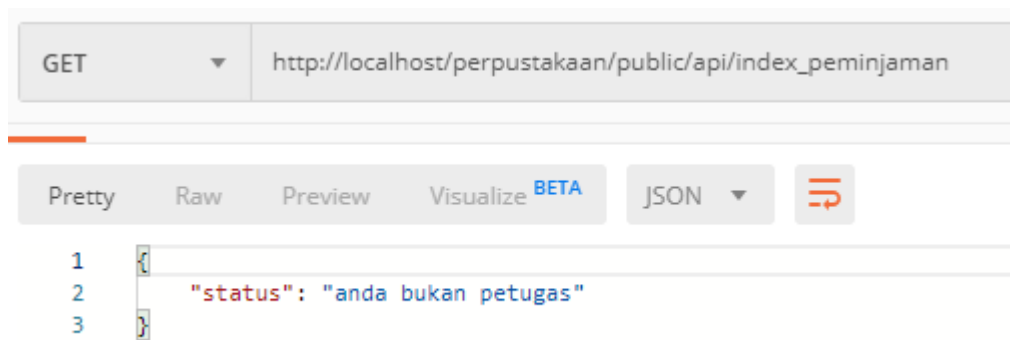
- **Ubah Peminjaman**

PUT ▼ | http://localhost/perpustakaan/public/api/ubah_peminjaman/4

Params | Authorization | Headers (10) | Body ● | Pre-request Script | Tests | Settings

○ none ○ form-data ● x-www-form-urlencoded ○ raw ○ binary ○ GraphQL BETA

KEY	VALUE
☑ id_anggota	11
☑ id_petugas	11
☑ tgl_pinjam	2020-03-06
☑ deadline	2020-03-12
☑ denda	-
Key	Value

Body | Cookies | Headers (11) | Test Results

Pretty | Raw | Preview | Visualize BETA | JSON ▼

```
1  {
2      "status": 1,
3      "message": "Peminjaman Berhasil Diubah"
4  }
```

- **Tampil Peminjaman**

GET ▾ http://localhost/perpustakaan/public/api/tampil_peminjaman

Pretty   Raw   Preview   Visualize ^{BETA}   JSON ▾

```json
1  {
2      "data": [
3          {
4              "id": 1,
5              "nama_anggota": "Dilan",
6              "alamat": "jalan danau buyan 1",
7              "telp": "089777000111",
8              "nama_petugas": "Laura",
9              "tgl_pinjam": "2020-02-02",
10             "deadline": "2020-02-10",
11             "denda": "-"
12         },
13         {
14             "id": 2,
15             "nama_anggota": "Milea",
16             "alamat": "jalan danau buyan 2",
17             "telp": "089777002211",
18             "nama_petugas": "Laura",
19             "tgl_pinjam": "2020-02-11",
20             "deadline": "2020-02-21",
21             "denda": "-"
22         },
23         {
24             "id": 4,
25             "nama_anggota": "Naura",
26             "alamat": "jalan danau buyan",
```

```json
24             "id": 4,
25             "nama_anggota": "Naura",
26             "alamat": "jalan danau buyan",
27             "telp": "089777888111",
28             "nama_petugas": "Laura",
29             "tgl_pinjam": "2020-03-06",
30             "deadline": "2020-03-12",
31             "denda": "-"
32         }
33     ],
34     "status": 1,
35     "message": "Peminjaman Berhasil ditampilkan",
36     "count": 3
37  }
```
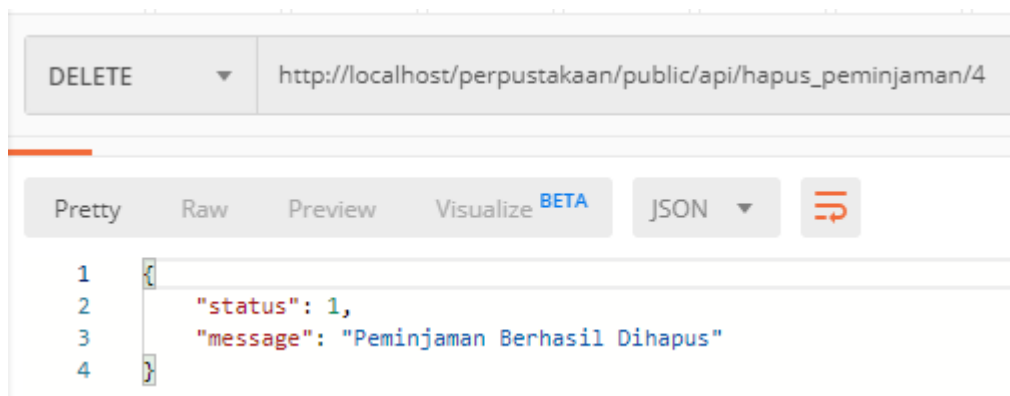
- **Index Peminjaman**

GET ▾ http://localhost/perpustakaan/public/api/index_peminjaman

Pretty Raw Preview Visualize BETA JSON ▾ ⇥

```
1  {
2      "status": "anda bukan petugas"
3  }
```

Karena tadi login dengan admin seharusnya login dengan petugas

- **Hapus Peminjaman**

DELETE ▾ http://localhost/perpustakaan/public/api/hapus_peminjaman/4

Pretty Raw Preview Visualize BETA JSON ▾ ⇥

```
1  {
2      "status": 1,
3      "message": "Peminjaman Berhasil Dihapus"
4  }
```

- **Detail_peminjaman**
- **Simpan Detail Peminjaman**

POST ▾	http://localhost/perpustakaan/public/api/simpan_detail

☑	id_pinjam	1
☑	id_buku	2
☑	qty	3
	Key	Value

Body Cookies Headers (11) Test Results

Pretty Raw Preview Visualize BETA JSON ▾

```
1  {
2      "status": 1,
3      "message": "Detail Peminjaman Berhasil Ditambahkan"
4  }
```

- **Ubah Detail Peminjaman**

PUT ▾	http://localhost/perpustakaan/public/api/ubah_detail/2

☑	id_pinjam	2
☑	id_buku	5
☑	qty	5
	Key	Value

Body Cookies Headers (11) Test Results

Pretty Raw Preview Visualize BETA JSON ▾

```
1  {
2      "status": 1,
3      "message": "Detail Peminjaman Berhasil Diubah"
4  }
```

- **Hapus Detail Peminjaman**

DELETE ▼ http://localhost/perpustakaan/public/api/hapus_detail/2

Pretty   Raw   Preview   Visualize ^{BETA}   JSON ▼

```json
1  {
2      "status": 1,
3      "message": "Detail Peminjaman Berhasil Dihapus"
4  }
```